IN THE CLAIMS

Please amend claims 1, 23 and 28-29 as follows:

- 1 1. (Currently Amended) A system, comprising:
- at least one light source in a movable hand-held device,
- 3 the movable hand-held device being capable of sending control
- 4 signals to a remotely controllable device;
- 5 at least one light detector that detects light from said
- 6 light source; and
- a control unit that receives image data from the at least
- 8 one light detector,
- 9 wherein the control unit detects the position of the
- 10 | hand-held device relative to a position of a user of the movable
- 11 | hand-held device in at least two-dimensions from the image data
- 12 from the at least one light detector and translates the position to
- 13 | control a feature on a display, wherein a change of said feature
- 14 | corresponds to a movement of the movable hand-held device relative
- 15 to the user.
- 1 2.(Original) The system of claim 1, wherein the at least one
- 2 light detector is a digital camera.

- 1 3.(Original) The system of claim 2, wherein the digital
- 2 camera captures a sequence of digital images that include the light
- 3 emitted by the hand-held device, the sequence of digital images
- 4 transmitted to the control unit.
- 1 4. (Original) The system of claim 3, wherein the control unit
- 2 comprises an image detection algorithm that detects the image of
- 3 the light of the hand-held device in the sequence of images
- 4 transmitted from the digital camera.
- 5. (Original) The system of claim 4, wherein the control unit
- 2 maps a position of the detected hand-held device in the images to a
- 3 display space for the display.
- 1 6.(Original) The system as in claim 5, wherein the mapped
- 2 position in the display space controls the movement of a feature in
- 3 the display space.
- 1 7. (Original) The system as in Claim 6, wherein the feature in
- 2 the display space is a cursor.

- 8. (Original) The system of claim 3, wherein the captured
- 2 images are processed by the control unit for at least one other
- 3 purpose.
- 9. (Original) The system of claim 8, wherein the at least one
- 2 other purpose is selected from the group of teleconferencing, image
- 3 transmission, and image recognition.
- 1 10.(Original) The system of claim 1, wherein said at least
- 2 one light source is an LED.
- 1 11. (Original) The system of claim 1, wherein the at least one
- 2 light detector comprises two digital cameras.
- 1 12.(Original) The system of claim 11, wherein the two digital
- 2 camera each capture a sequence of digital images that include the
- 3 light emitted by the hand-held device, each sequence of digital
- 4 images transmitted by each camera to the control unit.
- 1 13.(Original) The system of claim 12, wherein the control
- 2 unit comprises an image detection algorithm that detects the image

- 3 of the light of the hand-held device in each sequence of images
- 4 transmitted from the two digital cameras.
- 1 14. (Original) The system of Claim 13, wherein the control
- 2 unit comprises a depth detection algorithm that uses the position
- 3 of the light in the images received from each of the two cameras to
- 4 determine a depth parameter from a change in a depth position of
- 5 the hand-held device.
- 1 15. (Original) The system of claim 14, wherein the control
- 2 unit maps a position of the detected hand-held device in at least
- 3 one of the images from one of the cameras and the depth parameter
- 4 to a 3D rendering in a display space for the display.
- 1 16.(Original) The system as in claim 15, wherein the mapped
- 2 position in the display space controls the movement of a feature in
- 3 the 3D rendering in the display space.
- 1 17.(Original) The system of claim 1, wherein the at least one
- 2 light detector is at least one digital camera and the hand-held
- 3 device comprises two light sources.

- 1 18. (Original) The system of claim 17, wherein the digital
- 2 camera captures a sequence of digital images that include the light
- 3 from the two light sources of the hand-held device, the sequence of
- 4 digital images transmitted to the control unit.
- 1 19. (Original) The system of claim 18, wherein the control
- 2 unit comprises an image detection algorithm that detects the image
- 3 of the two light sources of the hand-held device in the sequence of
- 4 images transmitted from the digital camera.
- 1 20.(Original) The system of claim 19, wherein the control
- 2 unit determines at least one angular aspect of the hand-held device
- 3 from the images of the two light sources.
- 1 21.(Original) The system of claim 20, wherein the control
- 2 unit maps the at least one angular aspect of the hand-held device
- 3 as detected in the images to a display space for the display.
- 1 22.(Original) The system of claim 1, wherein the light source
- 2 emits at a wavelength falls that falls within the visible and
- 3 infrared light spectrum.

- 1 23. (Currently Amended) A system comprising:
- two or more movable hand-held devices, each hand-held
- 3 device comprising at least one light source at least one of the two
- 4 or more movable hand-held device being capable of sending control
- 5 signals to a remotely controllable device,
- at least one light detector detecting light from the at
- 7 least one light source of each of the two or more hand-held devices
- a control unit that receives image data from the at least
- 9 one light detector,
- 10 wherein the control unit detects the positions for
- 11 each of the two or more movable hand-held devices in at least two
- 12 dimensions from the image data from the at least one light detector
- and translates the positions for each of the two or more movable
- 14 hand-held devices to separately control two or more respective
- 15 | features on a display, and wherein a change of at least one of said
- 16 | features corresponds to a movement of at least one of said two or
- 17 | more movable hand-held devices relative to a user of said at least
- 18 one of said two or more movable hand-held devices.
 - 1 24. (Original) The system of claim 23, wherein the at least
 - 2 one light source of the two or more hand-held devices each turn on

- 3 and off at a flashing frequency and emit light at a flashing
- 4 wavelength.
- 1 25. (Original) The system of claim 24, wherein the flashing
- 2 frequencies of the at least one light source of the two or more
- 3 hand-held devices are different.
- 1 26. (Previously presented) The system of claim 24, wherein the
- 2 wavelengths of the at least one light source of the two or more
- 3 hand-held devices are different.
- 1 27. (Original) The system of claim 26, wherein the flashing
- 2 wavelength falls within the visible and infrared light spectrum.
- 1 28. (Currently Amended) A system, comprising:
- at least one light source in a movable hand-held device,
- 3 the movable hand-held device being capable of sending control
- 4 signals to a remotely controllable device;
- at least one light detector that detects light from said
- 6 light source; and
- 7 a control unit that receives image data from the at least
- 8 one light detector,

- wherein the control unit detects the position of the
 hand-held device relative to the position of a user carrying the
 hand-held device in at least two-dimensions from the image data
 from the at least one light detector and translates the position to
 control a feature on a display so that a change of said feature
 corresponds to a movement of the movable hand-held device relative
 to the user.
 - 1 29.(Currently Amended) A system, comprising:
 - at least one light source in a movable hand-held device,
 - 3 the movable hand-held device being capable of sending control
 - 4 signals to a remotely controllable device;
 - at least one light detector that detects light from said
 - 6 light source; and
- a control unit that receives image data from the at least
- 8 one light detector,
- 9 wherein the control unit detects the position of the
- 10 hand-held device in three dimensions from the image data from the
- 11 at least one light detector and translates the position to control
- 12 | a feature on a display, and wherein a change of said feature
- 13 | corresponds to a movement of the movable hand-held device relative
- 14 | to a user of the hand-held device.